

Del Sol lights (all years / trim levels):

Headlights: Type 9003 (H4)

Aux lights: Type 3497 (can use 1156)

Front signal: Type 3496 (can use 1157 or 2357)

Stop lights: Type 3496 (can use 1157 or 2357)

Rear signal: Type 1156

Back-up lights: Type 1156

Rear sidemarker: Type 168 (can use 194)

License plate lights: Type 168 (can use 194)

Dome light: Type 3022 (can use 3175)

Trunk light: Type 3021 (can use 3175 or 3022)

Instruments: Type 74

Type descriptions / equivalent bulbs:

Type 9003 (aka H4) = "halogen headlamp" dual-filament 12V 60/55W (5A)

Type 3496 = "krypton stop signal park" dual-filament 12.8V 2.10/0.59A (27W) 43/3 candle

Type 2357 = "park, tail, signal lamp" dual-filament 12.8V 2.23/0.59A (28.5W) 40/3 candle

Type 1157 = "park, tail, signal lamp" dual-filament 12.8V 2.10/0.59A (27W) 32/3 candle

Type 2057 = "park, tail, signal lamp" dual-filament 12.8V 2.10/0.48A (27W) 32/2 candle

(these are all interchangeable, 1157 is the most common, 2357 is also common)

Type 3497 = "krypton stop signal high-mount" 12.8V 2.20A (28W) 45 candle

Type 1156 = "automotive lamp" 12.8V 2.10A (27W) 32 candle (interchangeable, 1156 is the most common)

Type 168 = "instrument lamp" 14.0V 0.35A (5W) 3 candle

Type 194 = "instrument lamp" 14.0V 0.27A (4W) 2 candle (interchangeable, 194 is the most common and available in many colors)

Type 3022 = "interior dome light" 12V 5W

Type 3021 = "interior light" 12V 3W

Type 3175 = "dome light" 12V 10W

(interchangable, 3175 is larger but fits, it is common and available in many colors)

Type 74 = "miniature lamp" 14.0V 0.10A (1.4W) 0.7 candle

(common, interchangable with 17, 18, 37, 70, 73, 79, 85, 86, 2721)

## Headlights:

9003 headlights are available anywhere, and you'll find Auto Zone and Wal-Mart offering the ridiculous Sylvania Silver Star lights for about \$17 for a single bulb. These bulbs are not significantly brighter. They are still just 60W bulbs. Many places offer headlights with a blue tint, calling them "Hyper White" or "HID look" bulbs. The blue color looks great, but these bulbs actually reduce visibility slightly, because it's still just a standard 60W bulb with blue glass, which slightly reduces the output. If you want bright headlights, the best thing is to order higher wattage bulbs.

100W bulbs can be ordered online from many places, or you can always find them on eBay. It can be hard to know what you're getting, though, because these are mostly made in Korea and they take great liberties with what they write on the box. Here is an example you'll see on a popular box of 100W bulbs:

New Style FX  
HID Automotive Lamp  
5000K Super White Halogen  
H4  
Xenon White  
100/90W -> 160/150W

The truth is that this is blue halogen bulb with a 100W high beam and a 90W low beam. There is probably no xenon in the bulb (xenon is used in arc lamps). It's obviously not HID, because there are no H4 HID bulbs. Also, you'll see a lot of these boxes that say "160/150W output," because they are somehow trying to claim that although it is a 100W bulb, it has the

output of a 160W bulb. Watch out for that lie, because you may get a 60W bulb that claims to have the output of a 100W bulb. I use the FX bulbs myself -- great lights that you can get delivered for just under \$20. The FX bulbs come in two varieties, though, and the packaging has recently gotten even more confusing. There are the 100/90W bulbs that claim to be as bright as 160/150W, and there are standard 60/55W bulbs that claim to be as bright as 110/100W bulbs. Just make sure you know the true wattage.

You'll see color temperature listed on a lot of bulbs. This is pretty much them telling you how much blue paint is on the bulb. Most say between 5000K and 5800K, and anything in that range will look blue. When holding a 5000K bulb next to a 5800K bulb, it's hard to tell the difference. I've never seen a bulb that was blue enough that you actually had to worry about getting pulled over for it. The higher color temperature bulbs usually cost more, but there is little if any difference.

Substitutions:

Some of the OEM bulbs are hard to find, but you can easily substitute bulbs available at any Auto Zone, Wal-Mart, etc.

The front aux lights are Type 3497 -- a hard to find 28W bulb. One particular site has a guide on how to add color to your aux lights This page was made by someone trying to sell colored bulb caps for \$35. The page gives the warning:

"NOTE: Del sols cannot have aux bulbs changed to other bulbs. Any other bulb would melt the lens and housing, this is the cheapest alternative!!"

Let me assure you that this is utter BS. First off, you can probably find a local store selling light caps that fit these bulbs for \$2, or you can get colored 1156 bulbs just about anywhere. The 1156 bulb is very common, and you do not have to worry it melting your aux lights. 1156's are 27W bulbs -- 1W less than stock, so they're actually very slightly safer. I have "Hyper White" 1156 bulbs that have been in my aux lights for a long time, and nothing's melted.

The front turn signals are Type 3496. These are hard to find, and impossible to find in colored bulbs if you have clear corners. The 2357 bulb is almost the exact same thing, and many stores carry an amber version of the bulb. I have white spray-painted 2357's in my clear corners. If you use painted 1157's for your turn signals like this guide recommends, they will be pretty dim.

The stock tail lights are Type 2057. This is almost the exact same thing as the common 1157 bulb, except the low filament is slightly brighter on the 1157, meaning that when you turn your headlights on your tails will be a little brighter with 1157's.

The stock rear turn signals and backup lights are the common Type 1156 bulb. Most places carry the fast-responding LED versions of 1156 and 1157 bulbs, which look nice on the back of your car and never burn out.

The rear side markers and license plate lights are Type 168 (5W). Type 194 (4W) bulbs are a little more common, and easier to find in red. Many altezzas do not have a colored lens over the sidemarker, so you will need to get a red bulb. If you're going to Auto Zone, don't get the "Lighting Technologies" red 194's, because they are a light red that doesn't quite match the tails. The APC red 194's they sell are darker red. You may also notice that the two big license plate lights on a Del Sol are a lot brighter than most cars. If you replace your license plate lights with red lights, your license plate is still very visible, but it doesn't make the plate 10 times brighter than your tails. Something about the way license plates reflect, putting red lights on it doesn't actually seem to turn the plate red. For the license plate, I would recommend the "Lighting Technologies" lights, because they're not quite as dark red. Technically you are allowed to have red lights anywhere on the back of your car, and the only real law relating to your license plate is that it has to be visible from 50 feet.

The dome light takes a Type 3022 5W bulb and the trunk light takes a Type 3021 3W bulb. The common Type 3175 10W bulb is much brighter. It is a little bit larger, but will still easily clip into the dome light or trunk light socket. The 3175 is also a standard type of dome light, and you don't have to worry about melting anything. I have checked many stores for different colors of 3022 bulbs and couldn't find any. Auto Zone has Type 3175 blue

bulbs for \$2.99 for a pair called "Blazer Xtreme Lites 3175NB". These blue bulbs are the same color of blue as your average Hyper White headlights, and they light up the interior of your car and your trunk very well. If you want your dome light to be a cool color, they also have gel caps that fit 3175 bulbs in several colors to match those ricey light bars you may have put in your car.